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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/877,609	06/08/2001	Michael R. Lessard	3330/59	1814

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EXAMINER

BILGRAMI, ASGHAR H

ART UNIT PAPER NUMBER

2143

DATE MAILED: 06/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/877,609

Applicant(s)

LESSARD, MICHAEL R.

Examiner

Asghar Bilgrami

Art Unit

2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 March 2005.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 3-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 3-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 June 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Specification

1. In light of the requested information provided by the applicant, the examiner has withdrawn the disclosure objection..

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1 through 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shklar et al (U.S. 6,253,239).

4. As per claims 1 & 11 Shklar disclosed a computer network having a server computer and a client computer connectable through the network to the server computer, wherein an operating environment is available to the client computer (col.4, lines 25-39), a method for integrating a set of data into the operating environment, wherein the set of data is from at least one source that is external to the operating environment, the method comprising: providing a connection between the network and the at least one source through which the set of data is retrieved through a host

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operating environment; adapting the set of data for use through the host operating environment; and the client computer using the adapted data through the host operating environment, wherein the adapting and the using do not require nonvolatile storage of the set of data as native data to the host operating environment (col.2, lines 15-29), and wherein using the adapted data through the host operating environment comprises using the adapted data as the first class participant within the host operating environment (col.1, lines 50-63 & col.3, lines 3-27). Once original data format is displayed on a client computer it can then be saved and manipulated by the user by utilizing the well-known functions of a computer system. Therefore it is obvious that once data received from remote site is being displayed on a local computer it has to be stored in some kind of medium (memory) in the local computer and thus can be saved and manipulated making that data a first class participant.

5. As per claim 3 Shklar disclosed the method of claim 1, comprising, if the set of data is changed through the use of the adapted data: appropriately updating the set of data in the at least one source; and appropriately updating a set of wrapping data associated with the set of data, if any updating of the wrapping data is appropriate (col.6, lines 35-46, col.7, lines 35-53).

6. As per claim 4 Shklar disclosed the method of claim 1, wherein the set of data is transiently stored as data that is native to the operating environment, during the use thereof (col.12, lines 5-24).

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7. As per claim 5 Shklar disclosed the method of claim 1, comprising use of the set of data by more than one client computer (col.3, lines3-36).
8. As per claim 6 Shklar disclosed the method of claim 1, wherein the at least one source comprises a relational database system (col.2, lines 52-67, col.5, lines1-2 & col.11, lines 1-12).
9. As per claim 7 Shklar disclosed the method of claim 1, wherein the at least one source comprises an Open DataBase Compliant (ODBC) data source (col.2, lines 52-67, col.5, lines1-2 & col.11, lines 1-12).
10. As per claim 8 Shklar disclosed the method of claim 1, wherein adapting the set of data comprises: determining wrapping data associated with the external data, the wrapping data being for specifying characteristics of the set of data as native data to the host operating environment; and storing the wrapping data externally to the host operating environment.
11. As per claim 9 Shklar disclosed the method of claim 8, comprising: mapping groups of the external data to fields of a native document; and using the mapping data in determining the wrapping data (col.6, lines 35-46, col.7, lines 35-52 & col.8, lines 10-19).
12. As per claim 10 Shklar disclosed the method of claim 1 comprising: providing parameters for initialization and configuration of a data virtualization system within the host

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operating environment; maintaining connection with the at least one external data source (col.4, lines 25-39); providing parameters for integration of the data virtualization system with the host operating environment; and providing parameters for identifying and analyzing the set of data so as to associate with the set of data attributes and properties necessary to allow the set of data to be utilized as a first class participant within the host operating environment and to assure maintenance of operation of the host operating environment unimpeded by the data virtualization system (col.2, lines 50-67 & col.7, lines 35-52.

Response to Arguments

13. Applicant's arguments filed 25 March 2005 have been fully considered but they are not persuasive.

14. The applicant argued, "Shklar et al., by merely discussing data formatting and display, does not disclose or suggest, among other things, enabling use of data, which includes data from one or more external sources, as a first class participant in a host operating environment.

15. As to applicant's argument Shklar disclosed displaying the data from remote servers (external sources) to the client /user terminal. Once the original data is displayed on a client computer it can be saved, manipulated/modified by the user by utilizing the well-known functions of a computer system. Therefore it is obvious that once data received from remote site is being displayed on a local computer it has to be stored in some kind of medium (memory) in the local computer and thus can be saved and manipulated making that data a first class participant.

Conclusion

16. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Asghar Bilgrami whose telephone number is 571-272-3907. The examiner can normally be reached on M-F, 8:00-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on 571-272-3923. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

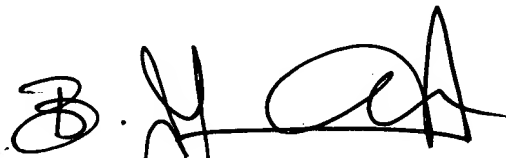
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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AB



Asghar Bilgrami
Examiner
Art Unit 2143



BUNJOB JAROENCHONWANIT
PRIMARY EXAMINER